

Title (en)

ELECTRIC POWER CONVERTER, METHOD FOR CONTROLLING ELECTRIC POWER CONVERTER, ELECTRIC POWER SYSTEM, METHOD FOR CONTROLLING ELECTRIC POWER SYSTEM, AND PROGRAM

Title (de)

STROMWANDLER, VERFAHREN ZUR STEUERUNG EINES STROMWANDLERS, STROMSYSTEM, VERFAHREN ZUR STEUERUNG EINES STROMSYSTEMS UND PROGRAMM

Title (fr)

CONVERTISSEUR D'ÉNERGIE ÉLECTRIQUE, PROCÉDÉ DE COMMANDE DE CONVERTISSEUR D'ÉNERGIE ÉLECTRIQUE, SYSTÈME D'ALIMENTATION ÉLECTRIQUE, PROCÉDÉ DE COMMANDE DE SYSTÈME D'ALIMENTATION ÉLECTRIQUE, ET PROGRAMME

Publication

EP 4216388 A1 20230726 (EN)

Application

EP 21869304 A 20210910

Priority

- JP 2020154788 A 20200915
- JP 2021033342 W 20210910

Abstract (en)

An electric power converter includes: an electric power conversion unit that converts electric power that has been input, and outputs the converted electric power; and a control unit that controls an electric power conversion characteristic of the electric power conversion unit, based on a reference function; the reference function includes plural droop functions that have been defined according to input values, have drooping characteristics different from one another, and have been connected to each other; and the control unit controls the electric power conversion characteristic by control schemes that are different from one another and are according to the drooping characteristics of the droop functions.

IPC 8 full level

H02J 1/00 (2006.01); **H02J 1/10** (2006.01); **H02M 3/00** (2006.01)

CPC (source: EP US)

H02J 1/00 (2013.01 - US); **H02J 1/102** (2013.01 - EP); **H02J 1/106** (2020.01 - EP); **H02J 7/342** (2020.01 - EP); **H02M 1/0003** (2021.05 - US); **H02J 13/00004** (2020.01 - EP); **H02J 2300/24** (2020.01 - EP)

Citation (search report)

See references of WO 2022059617A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4216388 A1 20230726; CN 116075997 A 20230505; JP WO2022059617 A1 20220324; US 2023231462 A1 20230720; WO 2022059617 A1 20220324

DOCDB simple family (application)

EP 21869304 A 20210910; CN 202180062063 A 20210910; JP 2021033342 W 20210910; JP 2022550527 A 20210910; US 202318181617 A 20230310